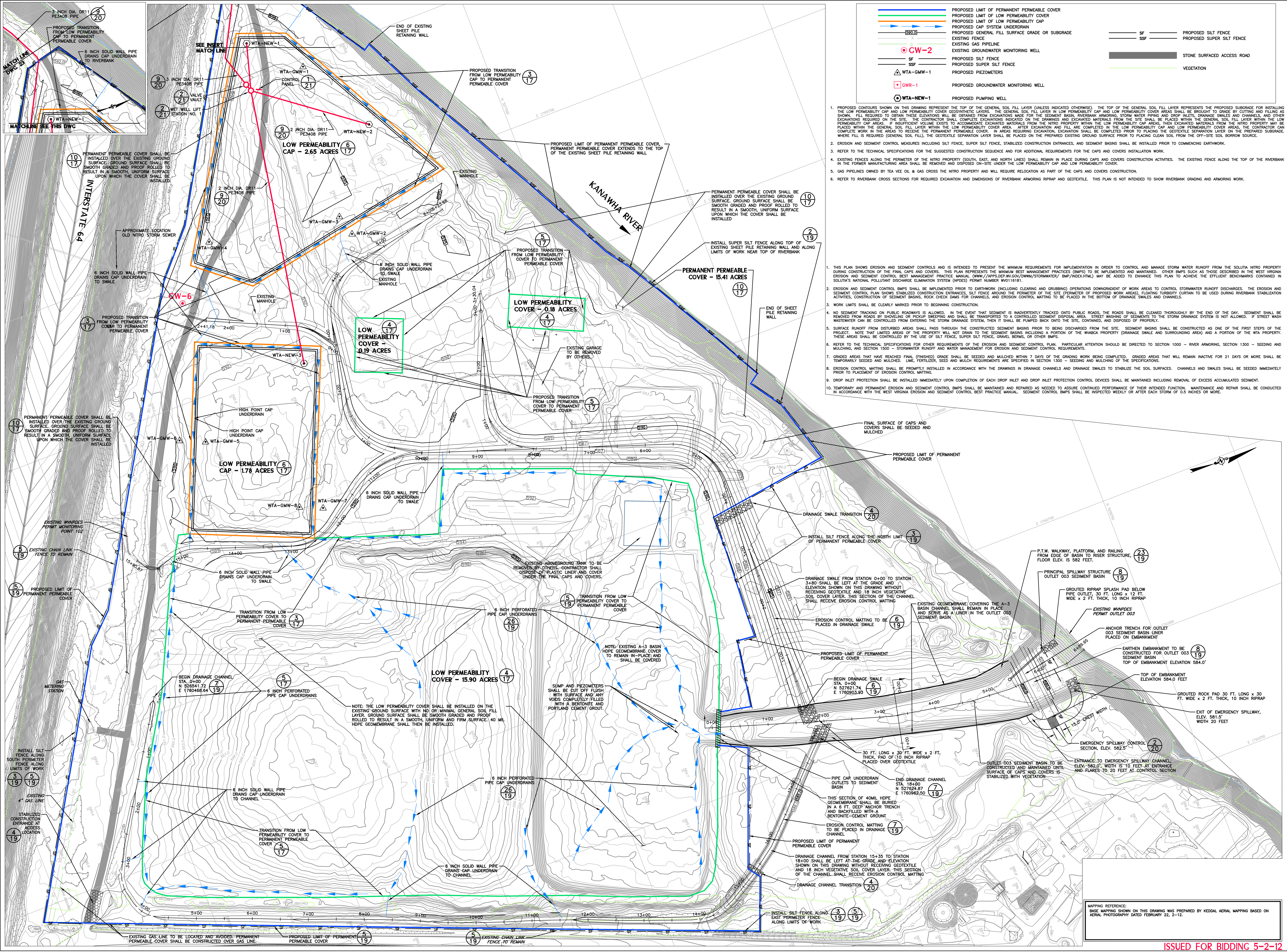

LEGEND

- PROPOSED LIMIT OF PERMANENT PERMEABLE COVER
- PROPOSED LIMIT OF LOW PERMEABILITY COVER
- PROPOSED LIMIT OF LOW PERMEABILITY CAP
- PROPOSED CAP SYSTEM UNDERDRAIN
- 590.0 — PROPOSED GENERAL FILL SURFACE GRADE OR SUBGRADE
- X — EXISTING FENCE
- G — EXISTING GAS PIPELINE
- GW-2 — EXISTING GROUNDWATER MONITORING WELL
- SF — PROPOSED SILT FENCE
- SSF — PROPOSED SUPER SILT FENCE
- WTA-GMW-1 — PROPOSED PIEZOMETERS
- GWR-1 — PROPOSED GROUNDWATER MONITORING WELL
- WTA-NEW-1 — PROPOSED PUMPING WELL
- SF — PROPOSED SILT FENCE
- SSF — PROPOSED SUPER SILT FENCE
- STONE SURFACED ACCESS ROAD
- VEGETATION

1. PROPOSED CONTOURS SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GENERAL SOIL FILL LAYER (UNLESS INDICATED OTHERWISE). THE TOP OF THE GENERAL SOIL FILL LAYER REPRESENTS THE PROPOSED SUBGRADE FOR INSTALLING THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER GEOSYNTHETIC LAYERS. THE GENERAL SOIL FILL LAYER IN LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER AREAS SHALL BE BROUGHT TO GRADE BY CUTTING AND FILLING AS SHOWN. FILL REQUIRED TO OBTAIN THESE ELEVATIONS WILL BE OBTAINED FROM EXCAVATIONS MADE FOR THE SEDIMENT BASIN, RIVERBANK ARMORING, STORM WATER PIPING AND DROP INLETS, DRAINAGE SWALES AND CHANNELS, AND OTHER EXCAVATIONS REQUIRED ON THE SITE. THE CONTRACTOR SHALL COMPLETE EXCAVATIONS INDICATED ON THE DRAWINGS AND EXCAVATED MATERIALS FROM THE SITE SHALL BE PLACED WITHIN THE GENERAL SOIL FILL LAYER WITHIN THE LOW PERMEABILITY CAP AREAS. IF INSUFFICIENT VOLUME EXISTS TO ACCOMMODATE EXCAVATED MATERIALS FROM THE NITRO PROPERTY WITHIN THE LOW PERMEABILITY CAP AREAS, THEN EXCAVATED MATERIALS FROM THE NITRO PROPERTY MAY BE PLACED WITHIN THE GENERAL SOIL FILL LAYER WITHIN THE LOW PERMEABILITY COVER AREA. AFTER EXCAVATION AND FILL ARE COMPLETED IN THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER AREAS, THE CONTRACTOR CAN COMPLETE WORK IN THE AREAS TO RECEIVE THE PERMANENT PERMEABLE COVER. IN AREAS REQUIRING EXCAVATION, EXCAVATION SHALL BE COMPLETED PRIOR TO PLACING THE GEOTEXTILE SEPARATION LAYER ON THE PREPARED SUBGRADE. WHERE FILL IS REQUIRED (GENERAL SOIL FILL), THE GEOTEXTILE SEPARATION LAYER SHALL BE PLACED ON THE PREPARED EXISTING GROUND SURFACE PRIOR TO PLACING CLEAN SOIL FROM THE OFF-SITE SOIL BORROW SOURCE.
2. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SILT FENCE, SUPER SILT FENCE, STABILIZED CONSTRUCTION ENTRANCES, AND SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK.
3. REFER TO THE TECHNICAL SPECIFICATIONS FOR THE SUGGESTED CONSTRUCTION SEQUENCE AND FOR ADDITIONAL REQUIREMENTS FOR THE CAPS AND COVERS INSTALLATION WORK.
4. EXISTING FENCES ALONG THE PERIMETER OF THE NITRO PROPERTY (SOUTH, EAST, AND NORTH LINES) SHALL REMAIN IN PLACE DURING CAPS AND COVERS CONSTRUCTION ACTIVITIES. THE EXISTING FENCE ALONG THE TOP OF THE RIVERBANK IN THE FORMER MANUFACTURING AREA SHALL BE REMOVED AND DISPOSED ON-SITE UNDER THE LOW PERMEABILITY CAP AND LOW PERMEABILITY COVER.
5. GAS PIPELINES OWNED BY TEA VEE OIL & GAS CROSS THE NITRO PROPERTY AND WILL REQUIRE RELOCATION AS PART OF THE CAPS AND COVERS CONSTRUCTION.
6. REFER TO RIVERBANK CROSS SECTIONS FOR REQUIRED EXCAVATION AND DIMENSIONS OF RIVERBANK ARMORING RIPRAP AND GEOTEXTILE. THIS PLAN IS NOT INTENDED TO SHOW RIVERBANK GRADING AND ARMORING WORK.

1. THIS PLAN SHOWS EROSION AND SEDIMENT CONTROLS AND IS INTENDED TO PRESENT THE MINIMUM REQUIREMENTS FOR IMPLEMENTATION IN ORDER TO CONTROL AND MANAGE STORM WATER RUNOFF FROM THE SOLUTIA NITRO PROPERTY DURING CONSTRUCTION OF THE FINAL CAPS AND COVERS. THIS PLAN REPRESENTS THE MINIMUM BEST MANAGEMENT PRACTICES (BMPS) TO BE IMPLEMENTED AND MAINTAINED. OTHER BMPS SUCH AS THOSE DESCRIBED IN THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL (WWW://APPS.DEP.WV.GOV/DWWM/STORMWATER/ BMP/INDEX.HTML) MAY BE ADDED TO ENHANCE THIS PLAN TO ACHIEVE THE EFFLUENT BENCHMARKS CONTAINED IN SOLUTIA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NUMBER WV0116181.
2. EROSION AND SEDIMENT CONTROL BMPS SHALL BE IMPLEMENTED PRIOR TO EARTHWORK (INCLUDING CLEARING AND GRUBBING) OPERATIONS DOWNGRADIENT OF WORK AREAS TO CONTROL STORMWATER RUNOFF DISCHARGES. THE EROSION AND SEDIMENT CONTROL PLAN SHOWS STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE AROUND THE PERIMETER OF THE SITE (PERIMETER OF PROPOSED WORK AREAS), FLOATING TURBIDITY CURTAIN TO BE USED DURING RIVERBANK STABILIZATION ACTIVITIES, CONSTRUCTION OF SEDIMENT BASINS, ROCK CHECK DAMS FOR CHANNELS, AND EROSION CONTROL MATTING TO BE PLACED IN THE BOTTOM OF DRAINAGE SWALES AND CHANNELS.
3. WORK LIMITS SHALL BE CLEARLY MARKED PRIOR TO BEGINNING CONSTRUCTION.
4. NO SEDIMENT TRACKING ON PUBLIC ROADWAYS IS ALLOWED. IN THE EVENT THAT SEDIMENT IS INADVERTENTLY TRACKED ONTO PUBLIC ROADS, THE ROADS SHALL BE CLEANED THOROUGHLY BY THE END OF THE DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING OF SEDIMENTS TO THE STORM DRAINAGE SYSTEM IS NOT ALLOWED. IF STREET WASH WASTEWATER CAN BE CONTROLLED FROM ENTERING THE STORM DRAINAGE SYSTEM, THEN IT SHALL BE PUMPED BACK ONTO THE SITE, CONTAINED, AND DISPOSED OF PROPERLY.
5. SURFACE RUNOFF FROM DISTURBED AREAS SHALL PASS THROUGH THE CONSTRUCTED SEDIMENT BASINS PRIOR TO BEING DISCHARGED FROM THE SITE. SEDIMENT BASINS SHALL BE CONSTRUCTED AS ONE OF THE FIRST STEPS OF THE PROJECT. NOTE THAT LIMITED AREAS OF THE PROPERTY WILL NOT DRAIN TO THE SEDIMENT BASINS INCLUDING A PORTION OF THE WVABCA PROPERTY (DRAINAGE SWALE AND SURROUNDING AREA) AND A PORTION OF THE WTA PROPERTY. THESE AREAS SHALL BE CONTROLLED BY THE USE OF SILT FENCE, SUPER SILT FENCE, GRAVEL BERMS, OR OTHER BMPS.
6. REFER TO THE TECHNICAL SPECIFICATIONS FOR OTHER REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL PLAN. PARTICULAR ATTENTION SHOULD BE DIRECTED TO SECTION 1000 – RIVER ARMORING, SECTION 1300 – SEEDING AND MULCHING, AND SECTION 1500 – STORMWATER RUNOFF AND WATER MANAGEMENT FOR EROSION AND SEDIMENT CONTROL REQUIREMENTS.
7. GRADED AREAS THAT HAVE REACHED FINAL (FINISHED) GRADE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE GRADING WORK BEING COMPLETED. GRADED AREAS THAT WILL REMAIN INACTIVE FOR 21 DAYS OR MORE SHALL BE TEMPORARILY SEEDED AND MULCHED. LIME, FERTILIZER, SEED AND MULCH REQUIREMENTS ARE SPECIFIED IN SECTION 1300 – SEEDING AND MULCHING OF THE SPECIFICATIONS.
8. EROSION CONTROL MATTING SHALL BE PROMPTLY INSTALLED IN ACCORDANCE WITH THE DRAWINGS IN DRAINAGE CHANNELS AND DRAINAGE SWALES TO STABILIZE THE SOIL SURFACES. CHANNELS AND SWALES SHALL BE SEEDED IMMEDIATELY PRIOR TO PLACEMENT OF EROSION CONTROL MATTING.
9. DROP INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF EACH DROP INLET AND DROP INLET PROTECTION CONTROL DEVICES SHALL BE MAINTAINED INCLUDING REMOVAL OF EXCESS ACCUMULATED SEDIMENT.
10. TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST PRACTICE MANUAL. SEDIMENT CONTROL BMPS SHALL BE INSPECTED WEEKLY OR AFTER EACH STORM OF 0.5 INCHES OR MORE.

MAPPING REFERENCE:
BASE MAPPING SHOWN ON THIS DRAWING WAS PREPARED BY KEDDAL AERIAL MAPPING BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 22, 2-12.

ISSUED FOR BIDDING 5-2-12

Revision	Date	No.

WTA-DESIGN
CAD File No.

Drawn

Checked

Approved

1"=60'
Scale:

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Title
EROSION AND SEDIMENT CONTROL PLAN
RCRA INTERIM MEASURES
CAPS AND COVERS CONTRACT

10
Drawing No.

XREF Files: 01-0081-700C-BASE
IMAGE Files:
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